**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

Claim 1 (currently amended): A heart beat/respiration measuring device comprising a sensor (2) adapted to be pressed [[by]] against [[the]] a human body, and a measuring circuit for measuring heart beats and/or respiration from the output of the sensor (2), the sensor (2) comprising a coil member elastically restorably deformable when subjected to pressure by being pressed [[by]] against the human body, the measuring circuit comprising an LC oscillation circuit (3) wherein an inductance component and a capacitance component of the coil member serve respectively as a coil L and a capacitor C for oscillation, and a calculation processing circuit (4) for detecting variations in the oscillation frequency of the LC oscillation circuit (3) and calculating physiological data in accordance with heart beats and/or respiration based on the frequency component or components of heart beats and/or respiration included in the variations,

wherein the sensor (2) is not attached to the human body and is adapted to lie under the human body lying face up, face down or on one side thereof.

Claim 2 (currently amended): A heart beat/respiration measuring device according to claim 1, wherein the coil member of the sensor (2) comprises a wire wound around an elastic member.

Claim 3 (canceled).

Claim 4 (currently amended): A heart beat/respiration measuring device according to claim 1, wherein the sensor (2) is installed in a posture in which the pressure acts in a direction orthogonal to a winding axis of the coil member.

Claim 5 (currently amended): A heart beat/respiration measuring device according to claim 1, wherein the sensor (2) is installed in a posture in which the pressure acts in a direction along a winding axis of the coil member.